

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="styles.css">
<title>Instagram</title>
</head>
<body>
<header>
<div class="logo">Instagram</div>
<input type="text" placeholder="Search">
<div class="user-actions">
<button>Upload</button>
<button>Profile</button>
</div>
</header>

<main>
<div class="post">
<div class="post-header">

<span class="username">user123</span>
</div>

<div class="post-actions">
<button class="like-button">Like</button>
<button class="comment-button">Comment</button>
<button class="share-button">Share</button>
</div>
<div class="likes">100 likes</div>
<div class="comments">
<div class="comment">
<span class="username">friend1:</span> Nice photo!
</div>
<div class="comment">
<span class="username">friend2:</span> Amazing!
</div>
<!-- More comments go here -->
</div>
<div class="add-comment">
<input type="text" placeholder="Add a comment...">

```

```
<button class="post-comment-button">Post</button>
</div>
</div>
<!-- More posts go here -->
</main>
```

```
<script src="script.js"></script>
</body>
</html>
```

```
<style>
```

```
body, html {
```

```
margin: 0;
```

```
padding: 0;
```

```
font-family: Arial, sans-serif;
```

```
}
```

```
/* Basic styles for the header */
```

```
header {
```

```
background-color: #fff;
```

```
display: flex;
```

```
justify-content: space-between;
```

```
align-items: center;
```

```
padding: 10px 20px;
```

```
box-shadow: 0 1px 5px rgba(0, 0, 0, 0.1);
```

```
}
```

```
.logo {
```

```
font-size: 2rem;
```

```
font-weight: bold;
```

```
}
```

```
header input[type="text"] {
```

```
padding: 8px;
```

```
border: 1px solid #ccc;
```

```
border-radius: 5px;
```

```
margin-right: 10px;
```

```
}
```

```
.user-actions button {
```

```
background: none;
```

```
border: none;
```

```
cursor: pointer;
```

```
font-weight: bold;
margin-right: 10px;
}

/* Styles for posts */
.post {
margin: 20px;
border: 1px solid #ccc;
background-color: #fff;
}

.post img {
width: 100%;
max-height: 400px;
}

.post-header {
display: flex;
align-items: center;
padding: 10px;
}

.post-header img {
width: 30px;
height: 30px;
border-radius: 50%;
margin-right: 10px;
}

.username {
font-weight: bold;
}

.post-actions {
display: flex;
justify-content: space-between;
padding: 10px;
}

.like-button,
.comment-button,
.share-button {
```

```
background: none;
border: none;
cursor: pointer;
font-weight: bold;
}

.likes {
padding: 10px;
font-weight: bold;
}

.comments {
padding: 10px;
}

.comment {
margin-bottom: 5px;
}

.add-comment {
display: flex;
align-items: center;
padding: 10px;
}

.add-comment input {
flex-grow: 1;
padding: 8px;
border: 1px solid #ccc;
border-radius: 5px;
margin-right: 10px;
}

.post-comment-button {
background-color: #3897f0;
color: #fff;
border: none;
padding: 8px 16px;
border-radius: 5px;
cursor: pointer;
font-weight: bold;
}
```

```
</style>
<script>
// Simulated data for posts
const postData = [
{
  username: 'user123',
  imageUrl: 'post1.jpg',
  likes: 100,
  comments: [
    { username: 'friend1', text: 'Nice photo!' },
    { username: 'friend2', text: 'Amazing!' }
  ]
},
// Add more posts here
];

// Function to create a post element
function createPostElement(post) {
  const postElement = document.createElement('div');
  postElement.classList.add('post');

  // Build the post's HTML structure here

  return postElement;
}

// Function to load posts
function loadPosts() {
  const postsContainer = document.getElementById('posts');
  // Clear existing posts
  postsContainer.innerHTML = '';

  // Loop through the data and create post elements
  postData.forEach(postData => {
    const postElement = createPostElement(postData);
    postsContainer.appendChild(postElement);
  });
}

// Initial load of posts
loadPosts();
</script>
```

